

FIG. 1

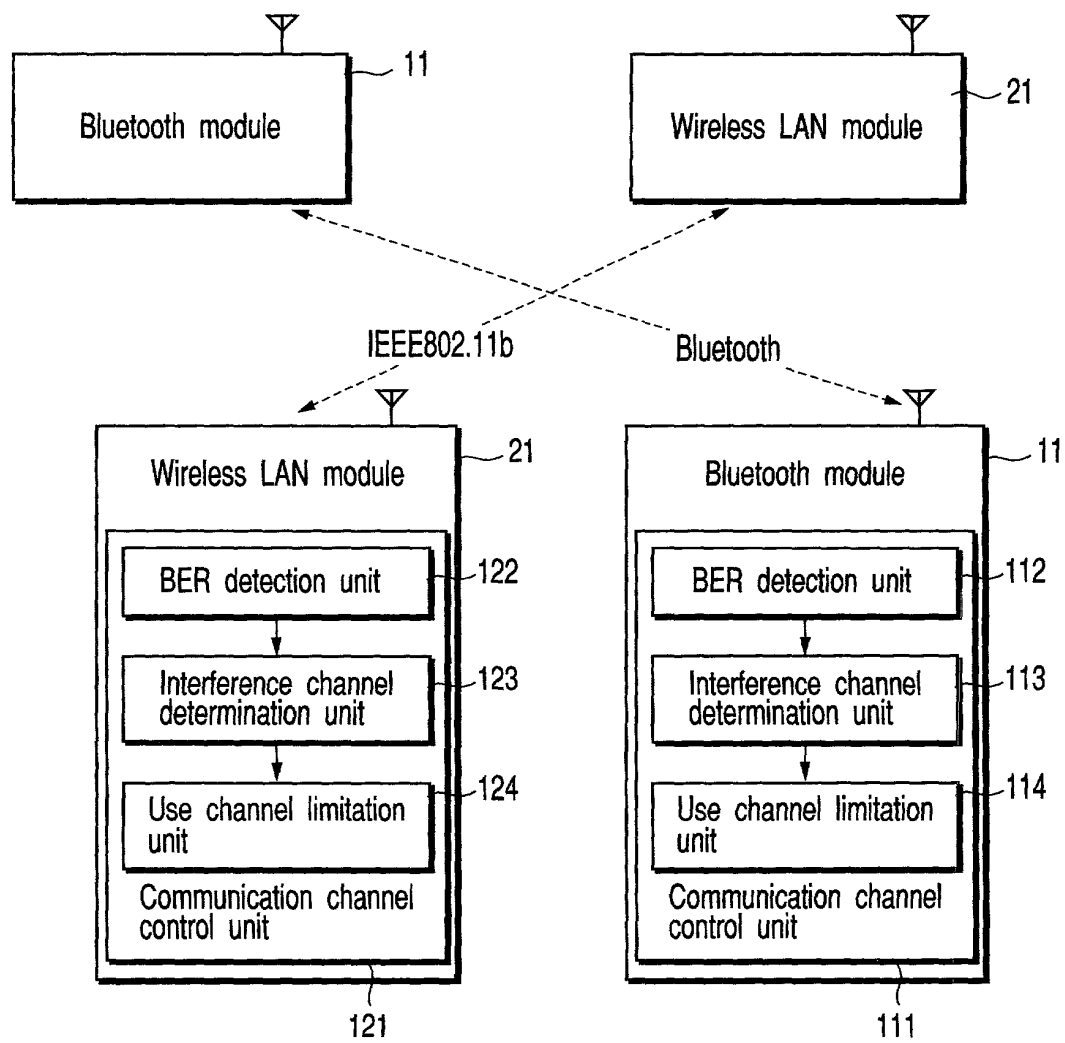


FIG. 1

FIG. 2

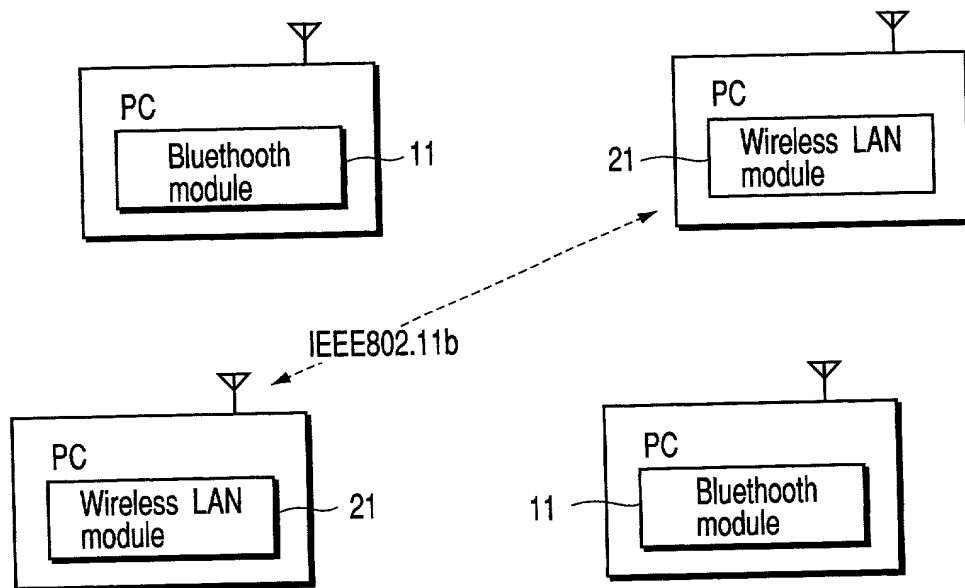


FIG. 2

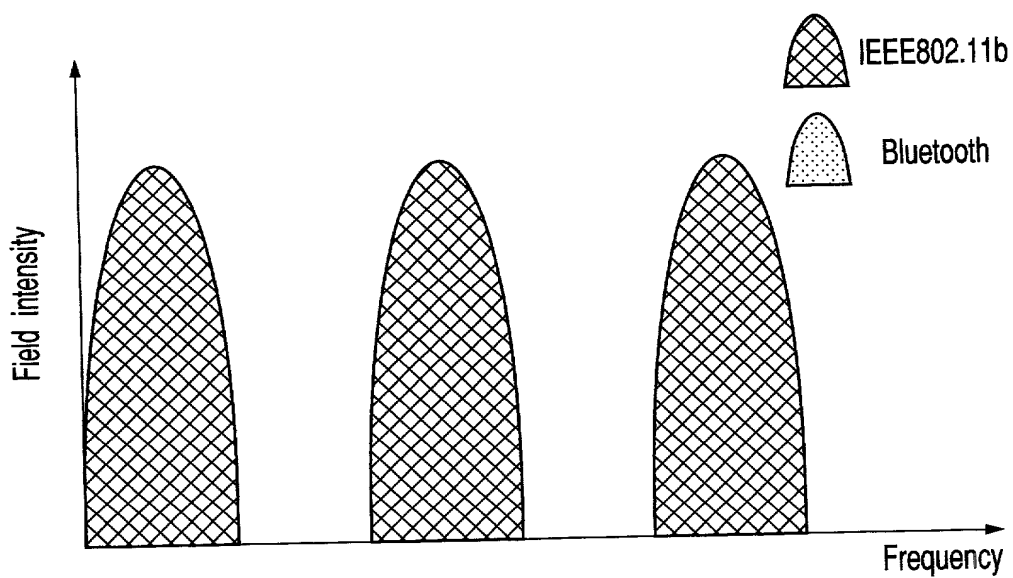


FIG. 3

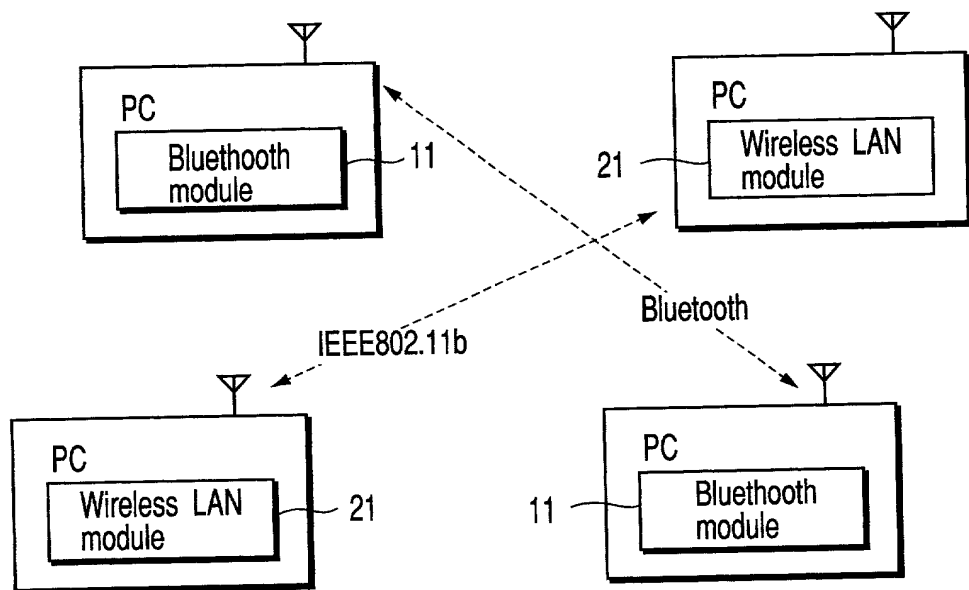


FIG. 4

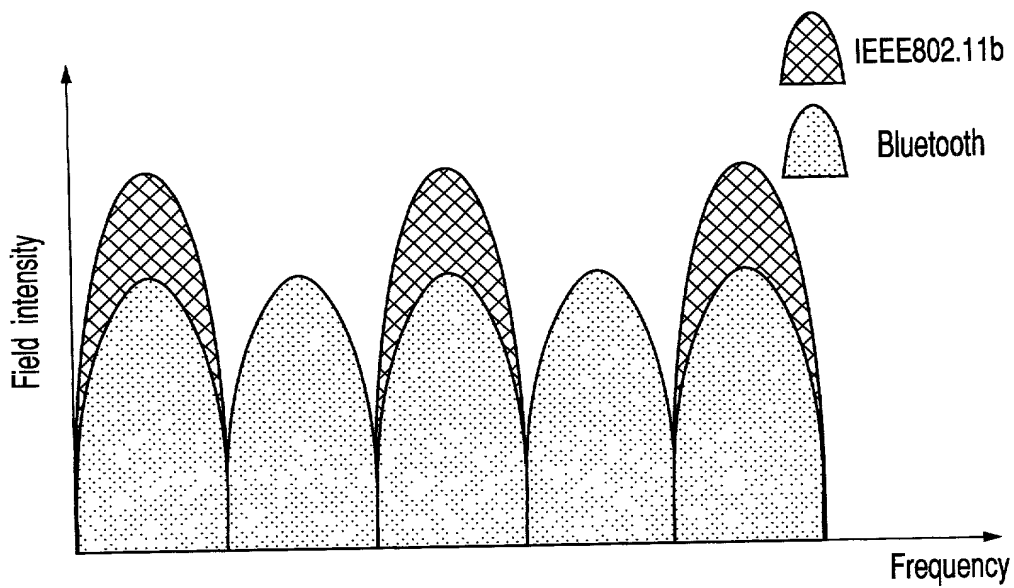


FIG. 5

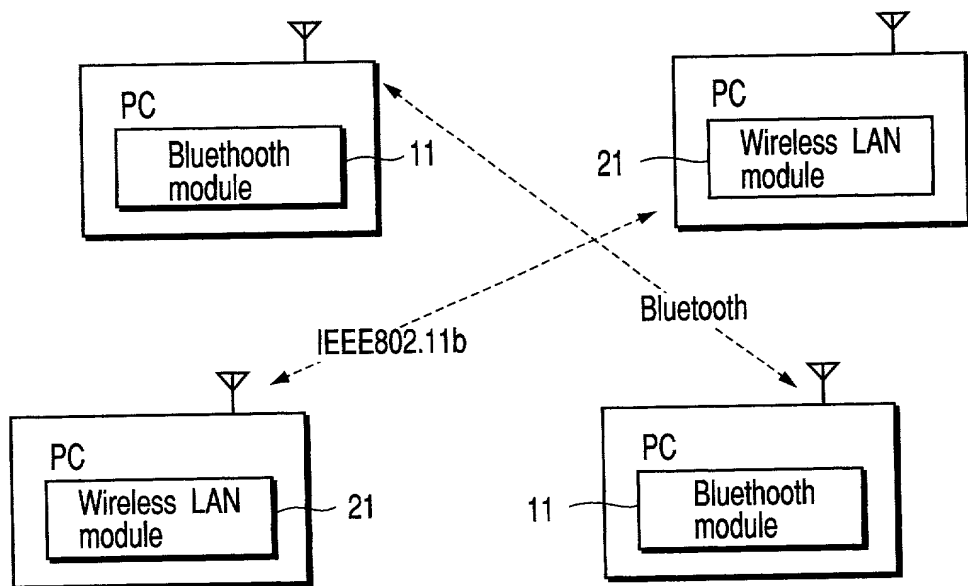


FIG. 6

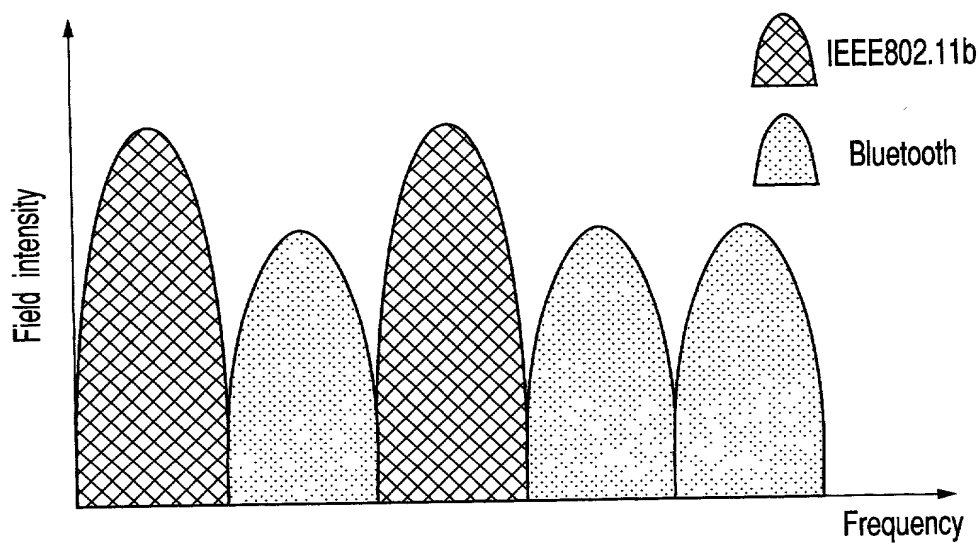


FIG. 7

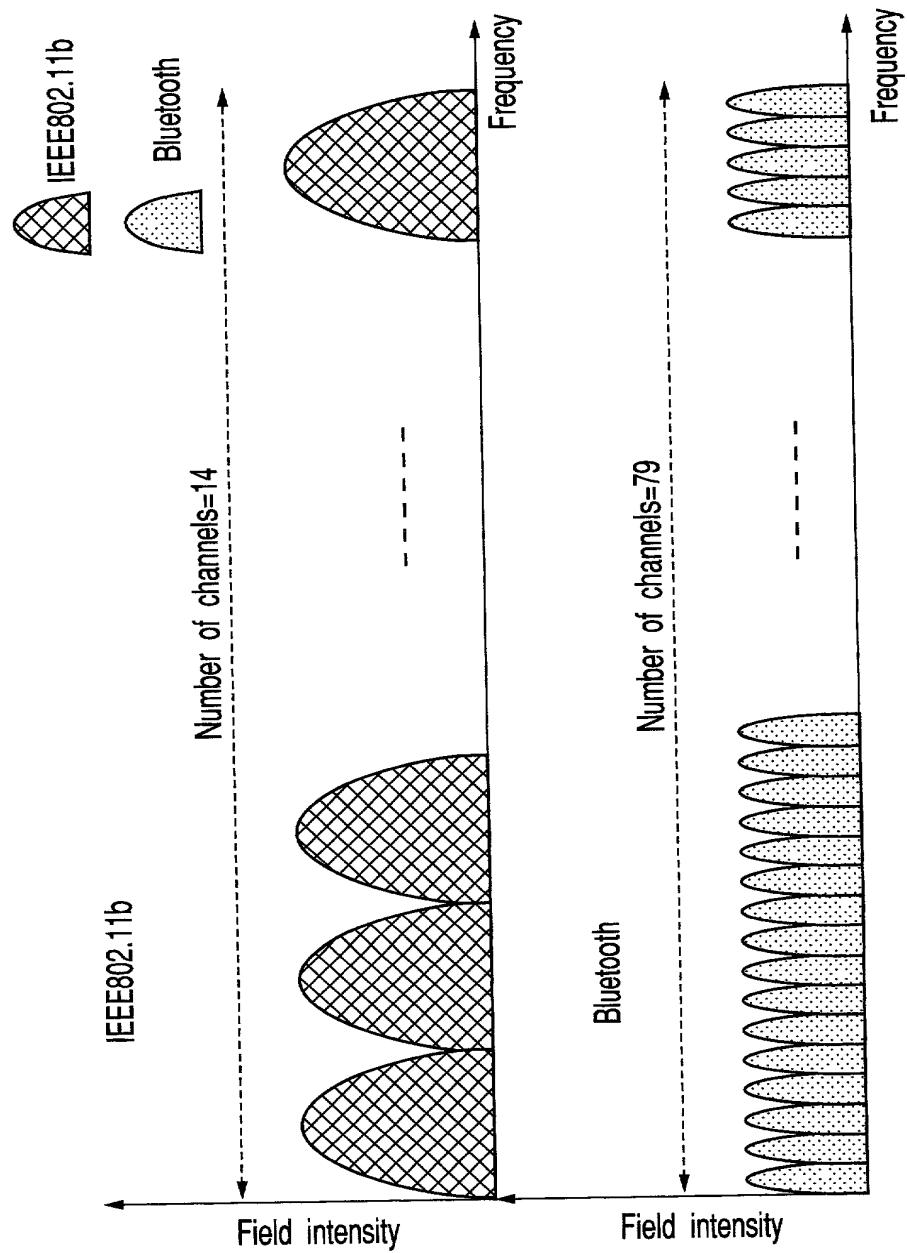


FIG.8

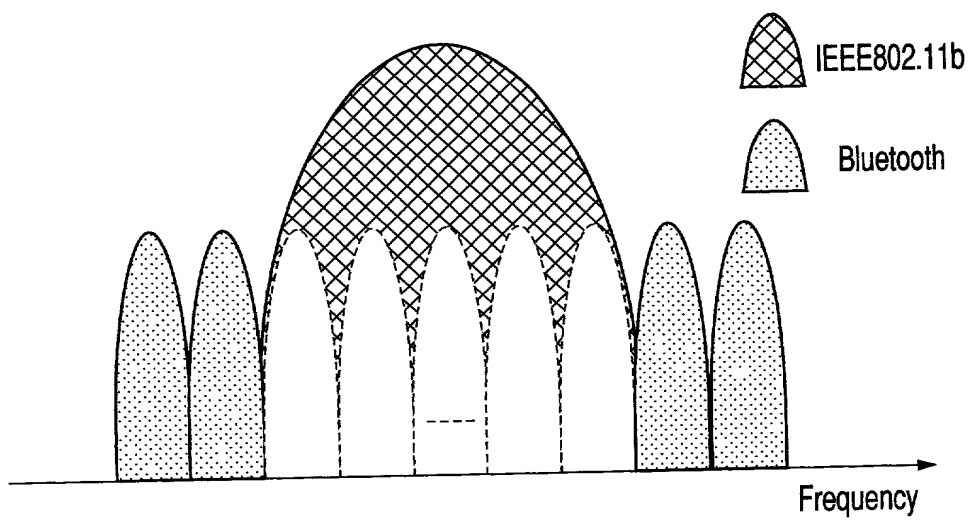


FIG. 9

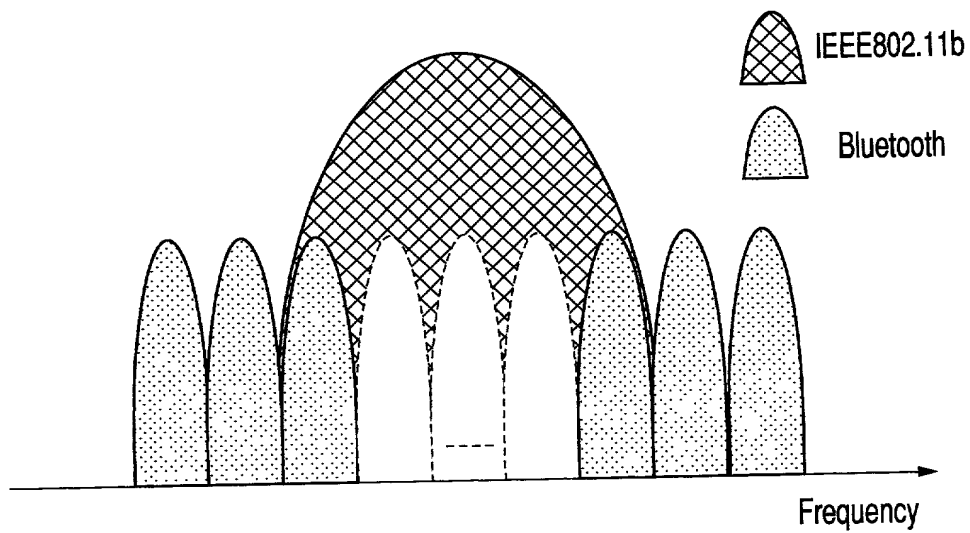


FIG. 10

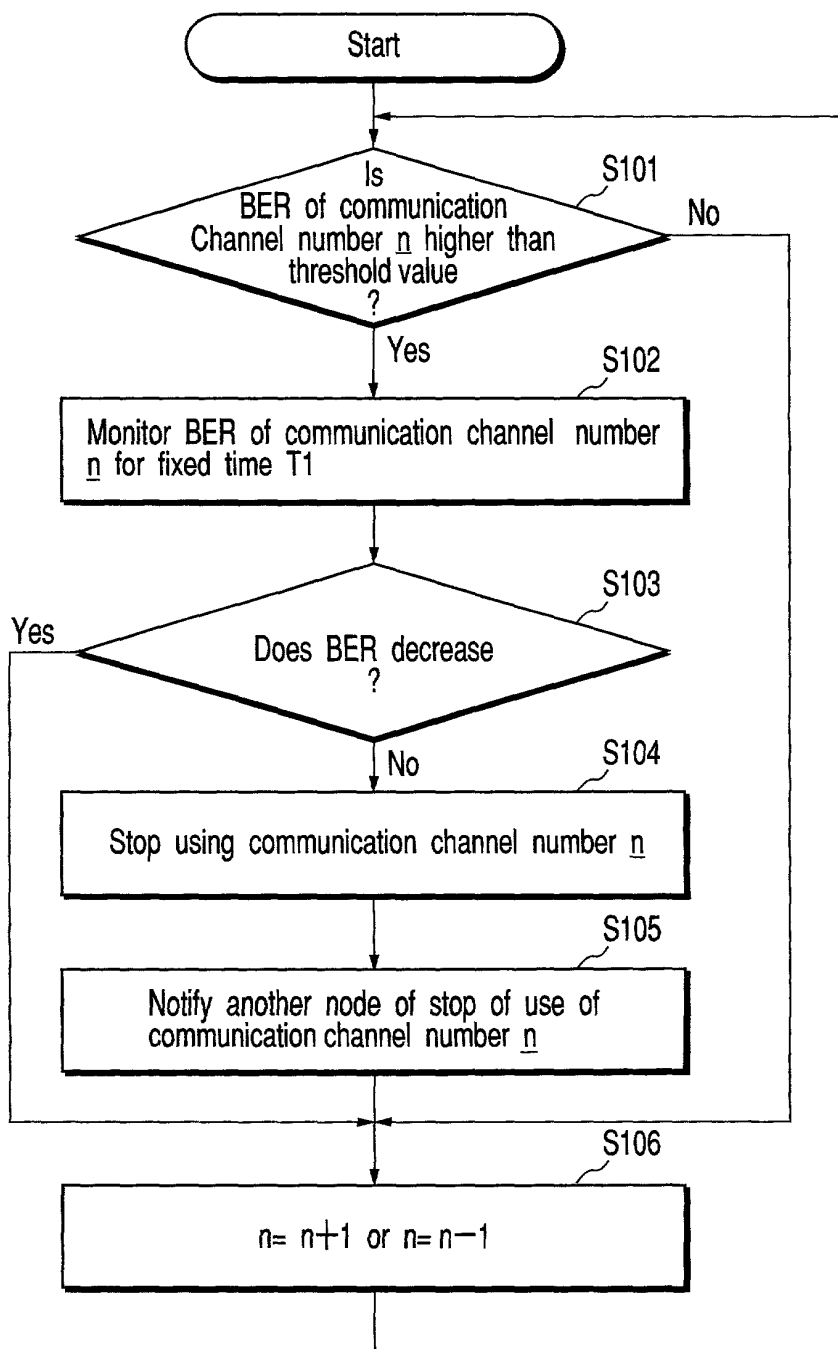


FIG. 11

The diagram illustrates the communication sequence for switching hopping patterns:

- Master** and **Slave** are represented by vertical lines.
- Notification of hopping pattern #A**: A message from Master to Slave.
- Hopping pattern #A**: A period of communication indicated by a double-headed arrow on the Slave side.
- Notification of stop of use of communication channel number n**: A message from Slave to Master.
- Hopping pattern #B**: A period of communication indicated by a double-headed arrow on the Slave side.

FIG. 12



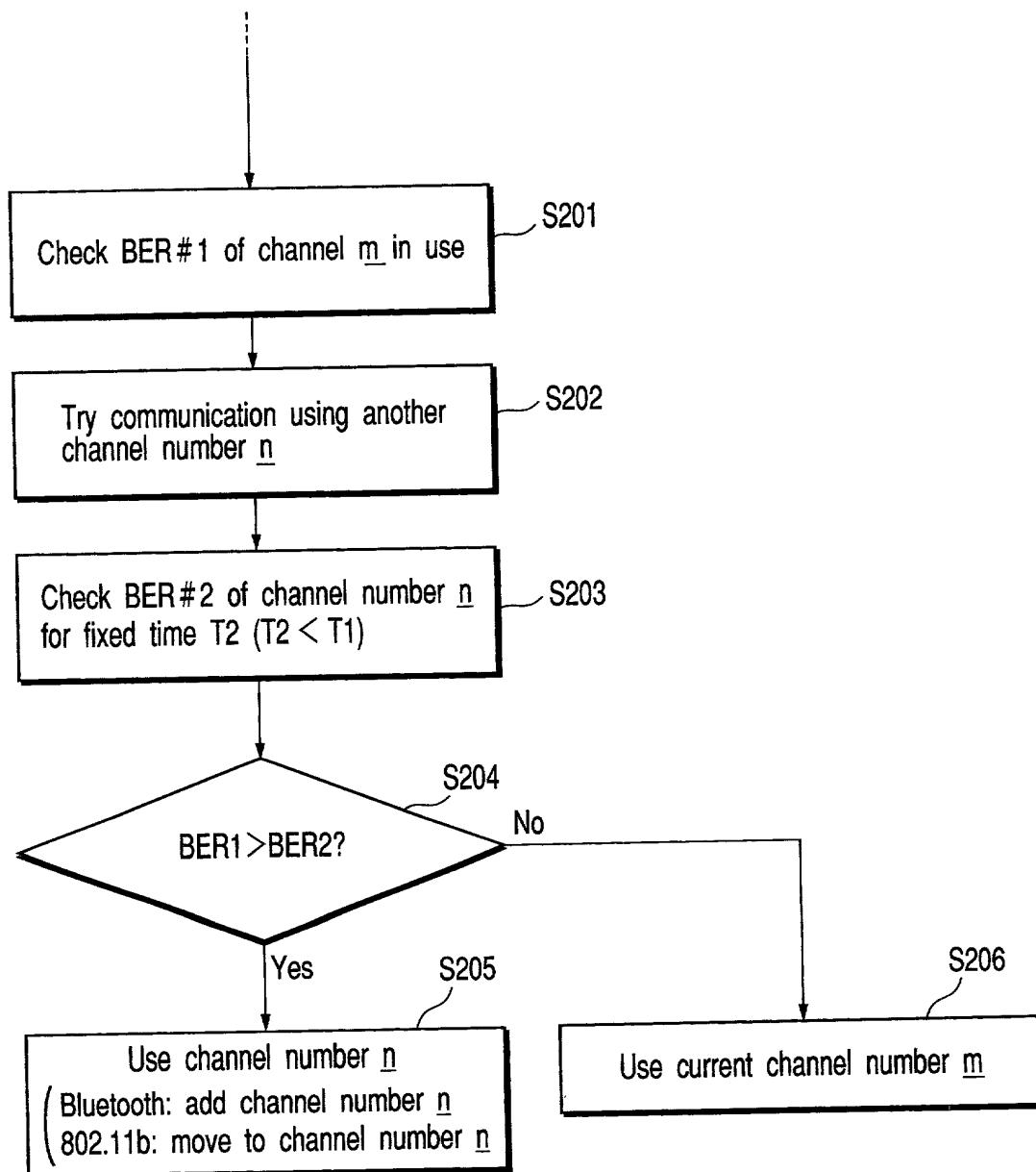


FIG. 13

Start

Check BER of each of communication  
Channels  $n$  to  $n+\alpha$

S301

Is average  
(or sumation) of  
BER of communication channel  
numbers  $n$  to  $n+\alpha$  higher  
than threshold  
value ?

S302

No

Yes

Monitor BER communication channel  
numbers  $n$  to  $n+\alpha$  for fixed time  $T_1$

S303

Does BER decreased  
?

S304

Yes

No

Stop using communication channel  
numbers  $n$  to  $n+\alpha$

S305

Notify another node of stop of use of  
communication channel numbers  $n$  to  $n+\alpha$

S306

$n = n + \alpha + 1$  or  $n = n - \alpha - 1$

S307

FIG. 14